



FIG. 2

```
F16.3
```

<Attributes className="ServerComplexType" MOCVersion="1.0"/> <Int32 minValue="1" maxValue="100"/> <MDC className="SiteData" MOCVersion="1.0">
<MDCElement name="serverID"> <EnumRef name="ServerTypeEnum"/> <String defaultValue=""/> <MOCElement name="serverName"> <MOCElement name="serverAttr">
<Type> <MOCElement name="serverType"> </Type> </Type> </MOCElement> </MOCElement> </Type> <Type> </Type> <Type> <Type>

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</WDC>

9.01

public ServerComplexType_1_0 serverAttr = new ServerComplexType_1_0(this, "serverAttr");

public String serverName;

:

public class SiteData_1_0

public int serverType;

public int serverID;

public class SiteData_1_0 //the 1_0 is the version
{
 public String serverName_get() {
 return this.serverName;
}
 public int serverType;
}
public ServerComplexType.1_0 serverAttr_get() {
 return this.serverAttr;
}
public int serverID_get() {
 return this.serverID_get() {
 return this.serverID_get() {
 return this.serverID_get() {
 return this.serverID_get() {
 return this.serverID;
 }
}

F16.7

public void serverName_set(String v) throws Exception {
 this.serverName = v;
 addToUpdateList("serverName", v, null);
}

public void serverAttr_set(ServerComplexType_1_0 v) throws Exception {

public class SiteData_1_0

addToUpdateList("serverAttr", v, null);

this.serverAttr = v;

addToUpdateList("serverName", v, null);

public void serverAttr_update(ServerComplexType_1_0 v) throws Exception {
 this.serverAttr = v;
 addToUpdateList("serverAttr", v, null);

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F. 6.90

```
addToUpdateList("serverType", new Integer(v), null);
addTrigger(this, "serverName_iEMS_validationRule");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        addToUpdateList("serverType", new Integer(v), null);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    public void serverType_update(int v) throws Exception {
                                                                                                                                                                                                                                                                                                                                                                                                                                                     addTrigger(this, "serverName_iEMS_validationRule");
                                                                                                                                                                                                                                                                                                                                                                      addToUpdateList("serverID", new Integer(v), null);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             addIoUpdateList("serverID", new Integer(v), null);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    public void serverID_update(int v) throws Exception {
public void serverType_set(int v) throws Exception {
                                                                                                                                                                                                                                             public void serverID_set(int v) throws Exception {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         //validate range -- omitted for space
                                                                                                                                                                                                                                                                                    //validate range -- omitted for space
                                       //validate range -- omitted for space
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              //validate range -- omitted for space
                                                                                                                                                                                                                                                                                                                                                                                                              serverID_iEMS_modificationRule();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  serverName_iEMS_validationRule();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     serverName_iEMS_validationRule();
                                                                    this.serverType = v;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this.serverType = v;
                                                                                                                                                                                                                                                                                                                                 this.serverID = v;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      this.serverID = v;
```

上で1

```
<u>4</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 public NameValuePair[] triggerAlliEMS_modificationRule() throws Exception {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         serverID_iEMS_modificationRule();
values[0] = new NameValuePair("serverID_iEMS_modificationRule", null);
                                                         public void iEMS_modificationRule() throws IEMSException {
                            <ExplicitRule name="iEMS_modificationRule"><![CDATA[</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NameValuePair[] values = new NameValuePair[1];
                                                                                        // dummy modification rules
                                                                                                                                                 serverName_set("Three");
                                                                                                                                                                                                           serverName_set("Four");
                                                                                                                                                                                                                                                                                             throw new IEMSException(t);
                                                                                                                                                                            if(serverID == 4)
                                                                                                                  if(serverID == 3)
                                                                                                                                                                                                                                                                  catch(Throwable t){
<MOCElement name="serverID">
                                                                                                                                                                                                                                                                                                                                                                                                                </ExplicitRule>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return values;
                                                                                          try\{
                                                                                                                                                                                                                                                                                                                                                                                                                                             </MOCElement>
```

下16.19

```
<ExplicitRule name="iEMS_defaultValueRule"><![CDATA[
    public void iEMS_defaultValueRule()
{
        serverID = 100;
        serverType = D_serverType_hcf;
        ...
        }]]>

public void iEMS_defaultValueRule()
{
        serverID = serverID_checkValue(100); // for range and integrity constraint // preservation
        //record this update to serverID -- omitted for clarity
        serverName = serverName_checkValue("HCFS1");
        //record update to serverImme serverType = serverType_checkValue(D_serverType_hcf);
        //record update to serverType
}
```

F16.13